



| Testing Application | Parameters Analysed | Sample Required | Sample Volume (Litres) |
|--|---|--|------------------------|
| Reverse Osmosis/ Comprehensive Drinking / Physiochemical Water test | pH, TDS, TSS, Colour, Salinity, Electrical Conductivity(EC), Turbidity, Iron, Manganese, Copper, Fluoride, Phosphate, Ammonia, Aluminium, Nitrate, Nitrite, Nitrate -N, Nitrite-N, Ammonical Nitrogen, Ammonium, Ammonia, Phosphate, Silicon, Silica, Calcium hardness, Calcium Ions, Magnesium hardness, Magnesium Ions, Total hardness, Chloride, Sulphate, Phenolphthalein Alkalinity, Total Alkalinity, Bicarbonates, Carbonate, Barium, Sodium & Potassium (39 parameters). | 1No. Raw Water | 1.5 |
| Reverse Osmosis Performance Test | pH, TDS, TSS, Colour, Salinity, Electrical Conductivity(EC), Iron, Manganese, Sodium, Calcium ions, Magnesium ions, Calcium hardness, Magnesium hardness, Total hardness, Chloride, Total Alkalinity, Bicarbonate and Carbonate (17 parameters). | 2No. Before and After the RO plant | 1.5 |
| Water Filtration / Pre-Treatment Performance Test | pH, TDS, TSS, Salinity, Electrical Conductivity(EC), Turbidity, Color, Iron and Manganese. | 2No. Before and After the filtration units. | 1.5 |
| Water Softener Performance Test | pH, TDS, TSS, Salinity, Electrical Conductivity(EC), Turbidity, Color, Calcium ions, Magnesium ions, Calcium hardness, Magnesium hardness, Total hardness, Chlorides, Sodium, Iron & Manganese. | 2No. Before and After the softener. | 1.5 |
| Boiler Water Test | pH, TDS, Turbidity, P-Alkalinity, M-Alkalinity, Iron, Phosphate, Silica, Calcium hardness, Chlorides, Sulphate / CFA. | 3No. Feed water, Boiler water and Condensate. *Onsite analysis is an option*. | 1.5 |
| Closed Cooling Water System Test | pH, TDS, Turbidity, Iron, Copper, & Nitrite / CFA. | 2No. Make-up water and Recirculating cooling water *Onsite analysis is an option*. | 1.5 |
| Open Cooling Water System Test | pH, TDS, M-Alkalinity, Iron, Silica, Calcium hardness, Phosphate / Zinc | 2No. Make-up water and Recirculating cooling water *Onsite analysis is an option*. | 1.5 |
| Jar Test | pH, TDS, TSS, Turbidity, Color, Iron, Optimum Coagulant/ flocculants and Chlorine dosages. | Varies | 20 |
| Legionella Test | Legionella Bacteria | 1No. Raw Water | 1.5 |
| Microbiological Water Test | Total Coliforms, E. Coli and Total Viable Count at 37°C | 1No. Raw Water | 1.5 |
| Itemized Water Test | Test of Individual Parameters | 1No. Raw Water | 1 |
| Comprehensive Wastewater Test | pH, Electrical Conductivity, TDS, TSS, Turbidity, Colour, Oil & Grease, B.O.D, C.O.D, Ammonium, Nitrate N, Nitrite N, Total N, Phosphorus, Chloride, Fluoride, Boron, Copper, Sulphur, Zinc, Arsenic, Cadmium, Chromium, Lead, Nickel, Mercury, Selenium, Aluminium, Faecal E.Coli, Faecal Coliforms | 1No. Raw Water | 2 |
| Basic Wastewater Test | pH, Electrical Conductivity, TDS, TSS, Oil & Grease, Colour, B.O.D, C.O.D, Ammonium, Nitrate N, Nitrite N, Total N, Chloride, Fluoride, Faecal E. Coli, Faecal Colif | 1No. Raw Water | 2 |
| Vendors Physiochemical & Bacteriological | pH, Electrical Conductivity, TDS, Colour, TSS, Colour, Ammonia, Turbidity Calcium, Magnesium, Total Hardness, Potassium, Sodium, Nitrate N, Nitrate, Nitrite, Aluminium, Phosphorus, Sulphur, Sulphate, Iron, Manganese, Zinc, Copper, Boron, Chloride, Bicarbonate, Fluoride, Total Coliforms, E.Coli, TBC 37degrees | 1No. Raw Water | 1.5 |
| Drillers | pH, Electrical Conductivity, TDS, TSS, Turbidity Ammonium, Calcium, Magnesium, Total Hardness, Potassium, Sodium, Nitrite, Nitrate, Ammonia, Phosphorus, Sulphate, Sulphate, Iron, Manganese, Zinc, Chloride, Bicarbonate, Fluoride, Total Alkalinity | 1No. Raw Water | 1.5 |
| WT Equipment Design (MM5/WAVE) | pH, Electrical Conductivity, TDS, Ammonium, Calcium, Magnesium, Potassium, Barium, Silica, Phosphate, Aluminium, Sulphate, Sodium, Nitrate, Sulphate, Iron, Manganese,, Zinc, Chloride, Bicarbonate, Carbonate Fluoride, | 1No. Raw Water | 1.5 |